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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Note PATENT NO : 7,086,040 *BZ*

Page 1 of (3)

DATED : August 1, 2006

INVENTOR(S) : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On Sheet 1 of 5, in FIG. 1, below "FIG. 1" insert -- (Prior Art) --.

On Sheet 4 of 5, in FIG. 5 (Col. 2, Row 6), delete " π " and insert -- π --, therefor.

In column 1, line 26, delete "Math Works," and insert -- MathWorks, --, therefor.

In column 3, line 41, delete " p_i " and insert -- p_i --, therefor.

In column 4, line 66, delete " $\pi^*.III$ " and insert -- $\pi^*.III$ --, therefor.

In column 5 (Eq. 5), line 31, delete "scalar," and insert -- matrix, --, therefor.

$$u = (1 - \bar{\theta}(c))\pi^* + \bar{\theta}(c)(s * \bar{\alpha}(b) +$$

$$t * \bar{\alpha}(a)(1 - \bar{\alpha}(b)) + (s * \Gamma_1 +$$

$$t * \Gamma_2 + 1 - \Gamma_1 - \Gamma_2)(1 - \bar{\alpha}(a))(1 - \bar{\alpha}(b))).$$

In columns 5-6 (Eq. 11), lines 55-56, delete "

$$u = (1 - \bar{\theta}(c))\pi^* + \bar{\theta}(c)(s * \bar{\alpha}(b) +$$

$$t * \bar{\alpha}(a)(1 - \bar{\alpha}(b)) + (s * \Gamma_1 +$$

and insert --

$$t * \Gamma_2 + 1 - \Gamma_1 - \Gamma_2)(1 - \bar{\alpha}(a))(1 - \bar{\alpha}(b))).$$

--, therefor.

In column 6 (Eq. 12), lines 62-63, delete " $\delta(r_1, r_2, \dots, r_m)$ " and insert
-- $\delta(\langle r_1, r_2, \dots, r_m \rangle)$ --, therefor.

Note In column 7, line 13, delete "where," and insert the same on line 14

Column 7, line 14, insert -- where -- below equation

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Atty Docket No: 020-005

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Note
PATENT NO : 7,086,040 82

Page 2 of (3)

DATED : August 1, 2006

INVENTOR(S) : Jolsha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 7, line 15, delete " $p_1(1-\overline{u})(a)$ " and insert -- $p_1(1-\overline{u}(a))$ --, therefor.

In column 7, line 16, delete " $q_2(1-\overline{u})(a)$ " and insert -- $q_2(1-\overline{u}(a))$ --, therefor.

In column 7, line 17, delete " $+(1-\overline{u})(a)$ " and insert -- $+(1-\overline{u}(a))$ --, therefor.

In column 8, line 20, after "simpler" insert -- \otimes --.

In column 8 (Eg:1.1), line 51, delete " $u=st$," and insert -- $u = s \oplus t$, --, therefor.

In column 8 (Eg:1.2), line 53, delete " $v=ut$," and insert -- $v = u \oplus t$. --, therefor.

In column 8, line 59, delete " $v=(st)t$," and insert -- $v = (s \oplus t) \oplus t$. --, therefor.

In column 8, line 61, after "FIG. 6," insert -- \otimes --.

In column 8, line 63, delete " $v=s(tt)$," and insert -- $v = s \oplus (t \oplus t)$. --, therefor.

In column 8, line 64, after "FIG. 6," insert -- \otimes also --.

In column 8 (Eg:1.3), line 67, delete " $v=st$," and insert -- $v = s \oplus t$ --, therefor.

In column 9 (Eg:2.1), line 33, delete " $u_1=s_{i-1}t$ " and insert -- $u_i = s_{i-1} \oplus t$ --, therefor.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,086,040 *B2*

Page 3 of (3)

DATED : August 1, 2006

INVENTOR(S) : Joisha et al.

It is certified that errors appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In column 9, line 35, delete " u_i " and insert -- u_i --, therefor.

In column 9, line 35, delete " s_i " and insert -- s_i --, therefor.

In column 9, line 36, delete " $(i>1)$ " and insert -- $(i \geq 1)$ --, therefor.

In column 9 (Eg:2.2), line 39, delete " $s_i = u_i$ " and insert -- $s_i = u_i$ --, therefor.

In column 9, line 44, delete " $s_i = s_{i-1}t$." and insert -- $s_i = s_{i-1} \oplus t$ --, therefor.

In column 9, line 45, delete " $\therefore s_i = (s_{i-2}Ot)t$." and insert -- $\therefore s_i = (s_{i-2} \oplus t) \oplus t$ --, therefor.

In column 9, line 47, after "FIG. 6," insert -- \oplus --.

In column 9, line 49, delete " $s_i = s_{i-2}(tt)$." and insert -- $s_i = s_{i-2} \oplus (t \oplus t)$ --, therefor.

In column 9, line 53, delete " $s_i = s_{i-2}t$." and insert -- $s_i = s_{i-2} \oplus t$ --, therefor.

In column 9 (Eg:2.3), line 56, delete " $s_i = s_0t$ " and insert -- $s_i = s_0 \oplus t$ --, therefor.

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1.2 - 9 2007